

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 April 2005 (14.04.2005)

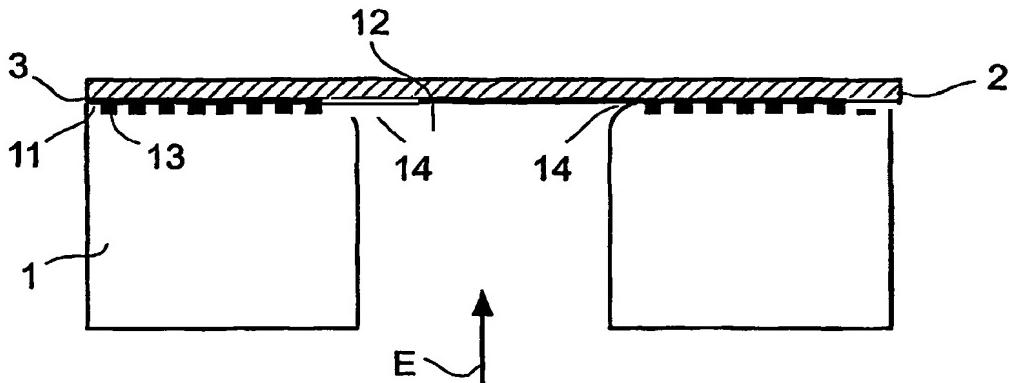
PCT

(10) International Publication Number
WO 2005/034167 A3

- (51) International Patent Classification⁷: HOIJ 9/00,
33/04, 5/18
- (21) International Application Number:
PCT/IB2004/051996
- (22) International Filing Date: 6 October 2004 (06.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
03103708.8 7 October 2003 (07.10.2003) EP
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, SZ, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: METHOD OF MANUFACTURING A WINDOW TRANSPARENT FOR ELECTRONS OF AN ELECTRON BEAM, IN PARTICULAR OF AN X-RAY SOURCE



(57) Abstract: The present invention relates to a method of manufacturing a window transparent for electrons of an electron beam (E), in particular of an X-ray source. In order to enable a less costly and elaborate manufacture of such a window and in order to prevent unwanted sharp edges in a window area which may damage the window foil (2), a method is proposed comprising the steps of: -providing on a surface (11) of a carrier element (1) to which a window foil (2) shall be a fixed a receiving area (13, 16) for receiving a soldering material (3) used for fixing said window foil (2) to said carrier element (1), said carrier element (1) comprising a through hole (12) for the transmission of said electrons (E), -covering said surface (11) having said receiving area (13, 16) with a soldering material (3) such that substantially only said receiving area (13, 16) is filled with soldering material (3), -placing said window foil (2) on top of said surface (11) and -heating said soldering material (3) for fixing said window foil (2) to said surface (11).

WO 2005/034167 A3



Published:

— *with international search report*

(88) Date of publication of the international search report:

23 February 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.